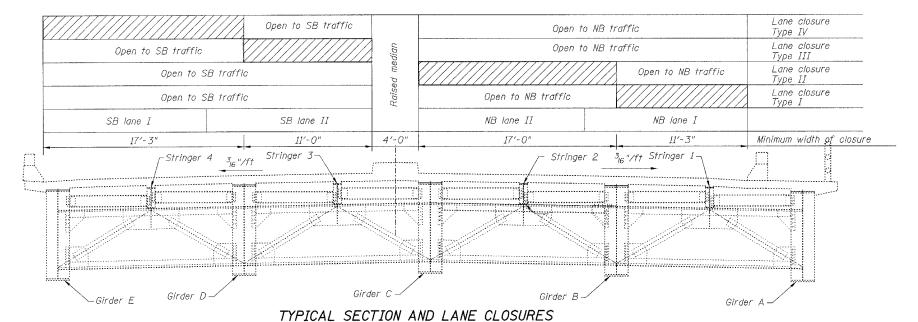
ROUTE NO.	SEC	TION	COUNTY	TOTAL	shret NO.	
FAU 2697	2008 B	3-018 PR	соок	22		
FED. ROAD DIST. NO. 7		ILLINOIS	FED, AID PROJECT-			

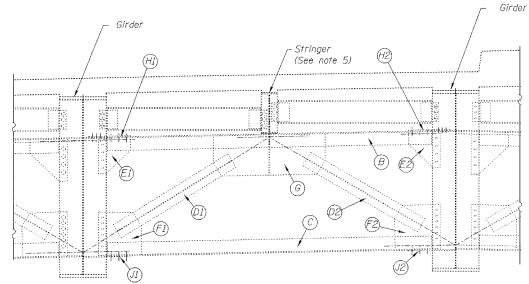
SHEET NO. S-7

S-16 SHEETS

Contract # 60E47



At N. Abutment, Pier 1, Pier 4, Hinge 3 and Hinge 6 (Looking North)



TYPICAL CROSS FRAME BAY

Lane closed to traffic during the entire duration of the repair

CROSS FRAME REPAIRS

									MEMBE	ER (See typical cross fra	ime bay)						
LOCATION		В	С	D1	D2	E1	E2	F1	F2	G	H1	H2	J1	J2	DETAIL	LANE	CLOSURE
LOCATION	Existing Replace with	WT7x19 WT7x19	WT7x19 WT7x19	WT6x20 WT6x20	WT6x20 WT6x20	3 ₈ " P	3 _{8" P}	3 ₈ " P	3 ₈ " P	$\frac{3}{8}$ " $\frac{1}{8}$ w/ $2 - \frac{1}{2}$ " stiff $\frac{1}{8}$				$\frac{3}{8}$ " GUSSET $\frac{9}{4}$	SHOWN	TYPE	EXTENSION
	Girder A - Girder B									0 12 11 2 311 12			/		Detail 5	Ī	SPAN 1
NORTH	Girder B - Girder C	\checkmark	/			/		/	/			\checkmark	✓		Detail 3	II	SPAN 1
ABUTMENT	Girder C - Girder D	\checkmark	/	/	/	\checkmark	/		/	✓		\checkmark	✓	/	Detail 3	III	SPAN 1
	Girder D - Girder E	Mara	/			\checkmark		/					✓	✓	Detail 4	IV	SPAN 1
AT PIER 1	Girder A - Girder B	✓			/	/	/					Manufacture		/	Detail 2	I	SPAN 1 & 2
#3	Girder A - Girder B	/	/	/		/	/	/	/		/			/	Detail 3	I	SPAN 3 & 4
E C SE	Girder B - Girder C	√ .	/		/	/	/		***************************************			\checkmark	/	✓	Detail 6	II	SPAN 3 & 4
NORTH SIDE OF HINGE #3	Girder C - Girder D												✓	✓	Detail 8	III	SPAN 3 & 4
AT PIER 4	Girder A - Girder B	✓				√		mennenne							Detail 1	I	SPAN 4 & 5
#6	Girder A - Girder B		/	/	/	/	/	/	/		/		V		Detail 7	I	SPAN 6 & 7
SOUTH SIDE OF HINGE #6	Girder B - Girder C	/	/	/	/	\checkmark			/			\checkmark	✓		Detail 9	II	SPAN 6 & 7
SOC SID HIM	Girder C - Girder D									_		waterwater	/		Detail 8	III	SPAN 6 & 7
	Girder D - Girder E									State Market 171					Sheet S-12	IV	SPAN 6 & 7

NOTES:

- 1. Work this sheet with Sheets S-8 through S-12.
- Existing welded connections to be removed using the air-arc method and grind smooth all weld material remaining. Cost included with Structural Steel Removal.
- 3. Repairs shall include but not be limited to the members shown. The actual repairs to be determined by the Engineer at the time of construction.
- The Contractor is responsible for means and methods to ensure the complete stability of the structural members during construction.
- 5. Stringers shall be supported by Temporary Shoring and Cribbing as indicated on Sheets S-5 and S-6.
- 6. Lane closures per standard 701606-5.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Furnishing & Erecting Structural Steel	Pound	16,000
Temporary Shoring and Cribbing	Each	12
Structural Steel Removal	Pound	14,890

STEEL REPAIRS I

FAU 2697 WILLOW SPRINGS ROAD

OVER DES PLAINES RIVER,
CHICAGO SANITARY & SHIP CANAL,
ILLINOIS AND MICHIGAN CANAL,
AND ICG RAILROAD

COOK COUNTY

S.N. 016-0540

CHECKED B. Sauter

CHECKED E. Mroczek

DRAWN R. Danley

CHECKED B. Sauter

